

COURSE SPECIFICATION

1. Teaching Institution	Kirkuk University
2. University Department/Centre	College of Veterinary Medicine
3. Course title/code	surgery/ CVM5101/CVM5201
4. Modes of Attendance offered	fifth year students
5. Semester/Year	fifth year / first and second semesters 2021-2022
6. Number of hours tuition (total)	60
7. Date of production/revision of this specification	15/9/2021
8. Aims of the Course	
1. Acquaintance with the principles of veterinary surgery.	
2. Surgery is considered an applied veterinary science.	
3- Diagnosis of medical conditions that require surgical operations.	
4- Learn to perform all surgeries for different body systems and their steps.	
5- Knowing the fate of the cases that have undergone surgeries.	
6- Giving a certain success rate for the surgeries that were performed.	

9. Learning Outcomes, Teaching ,Learning and Assessment Methode

A- Cognitive goals .

A1-- Teaching the student the concept of surgery and its general principles

A2- Knowledge, understanding and comprehension of the scientific subject curriculum

A3- To classify the theoretical and practical needs for the development of learning and teaching in the appropriate manner with the scientific material

A 4- Familiarity with all the surgical procedures for the different organs and organs of the animal's body.

B. The skills goals special to the course.

B1 - Teaching the student how to perform the surgery.

B 2 - Teaching the student to use scientific methods to anesthetize the animal before performing the operation.

B3 - How to sterilize the operating room and sterilize the animal itself, and how the surgeon will sterilize his clothes and tools before the operation.

B4- How to care for an animal after surgery post-operative care .

Teaching and Learning Methods

- 1) lectures.
- 2) Discussions during and after the lecture.
- 3) Motivation through questions and answers.
- 4) Homework .
- 5) Preparation of scientific reports .
- 6) Student attendance at the veterinary teaching hospital in the surgical aspect of clinical subjects (clinic)

Assessment methods

1. Semester and final theory exams by 60%
2. Semester and final practical exams at a rate of 40% , From it Daily exams (cues) and Extracurricular activities (reports, making wall posters) 5%

C. Affective and value goals

- C1.
- C2.
- C3.
- C4.

Teaching and Learning Methods

- 1) lectures.
- 2) Discussions during and after the lecture.
- 3) Motivation through questions and answers.
- 4) Homework.
- 5) Preparing scientific reports .
- 6) Performing surgeries in the surgery room at the college in addition to participating in conducting operations in the veterinary teaching hospital within the hours of the clinical application (Clinicals)

Assessment methods

1. Semester and final theory exams by 60%
2. Semester and final practical exams at a rate of 40% from it Evaluation of extra-curricular activities (reports, posters and homework) by 5% and Daily exams .

D. General and rehabilitative transferred skills (other skills relevant to employability and personal development)

D 1- Team work: working in harmony with the group or team.

D2- Initiative Motivation to work: The ability to take the initiative, identify hypotheses, and develop ideas and proposed solutions.

D3 - Planning & organization: The ability to develop plans and programs that are feasible for implementation.

D 4- Flexibility: adapting to situations.

D 5- Time management: The ability to work on specific dates.

10. Course Structure (first semester)

Week	Hours	ILOs / practical	Unit/Module or Topic Title / theoretical	Teaching
1	4	Oesophagotomy	Digestive system: Affection of salivary gland	Theoretical practical
2	4		Affection of tongue	Theoretical practical
3	4	Tracheotomy	Affection of teeth	Theoretical practical
4	4		Affection of esophagus	Theoretical practical
5	4	Intestinal surgery	Affection of stomach	Theoretical practical
6	4		Affection of small intestine	Theoretical practical
7	4	review	Affection of digestive accessory organs	Theoretical practical
8		Mid-term exam.		
9	4	Enterotomy	Facial paralysis	Theoretical practical
10	4	Castration	Respiratory system: Affection of upper tract	Theoretical practical
11	4		Affection of larynx and guttural	Theoretical practical
12	4	Gastrotomy	Affection lungs and trachea	Theoretical practical
13	4		Affection of chest wall	Theoretical practical
14	4	Mamnectomy	Cardiovascular system: cardiac anomalies	Theoretical practical
15	4		Pericarditis	Theoretical practical
		Final-term exam.		

10. Course Structure (second semester)

Week	Hours	ILOs / practical	Unit/Module or Topic Title / theoretical	Teaching Method
1	4	Teat fistula	Hernia	Theoretical practical
2	4		Treatment of Fistula whether	Theoretical practical
3	4	Nephrectomy	Affection of male genital system	Theoretical practical
4	4		Affection female genital system	Theoretical practical
5	4	Ovariohysterectomy	Treatment Pneumovagina	Theoretical practical
6	4		Affection of penis and prepuce	Theoretical practical
7	4	Cystotomy and Cystectomy	Preparation of teaser	Theoretical practical
8		Mid-term exam.		
9	4	Urethrostomy and Urethrotomy	Castration	Theoretical practical
10	4		Urinary system: Affection of kidney	Theoretical practical
11	4	Splenectomy	Affection of ureter	Theoretical practical
12	4	Rumenotomy	Affection of urinary bladder	Theoretical practical
13	4		Affection of urethra	Theoretical practical
14	4	Ophthalmic surgery	Affection of teat and udder	Theoretical practical
15	4	General review of articles	Ear surgery and Eye surgery	Theoretical practical
		Final-term exam.		

11. Infrastructure

1. Books Required reading:	non
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2. Main references (sources)	<ol style="list-style-type: none"> 1- Surgical approaches to the bones and joints of the dog and cat , Kenneth A. Johnson ; fifth edition . 2- Farm animal medicine and surgery for small animal veterinarians , graham R. Duncanson . 3- Veterinary anesthesia and analgesia , kurt A. Grimm ;the fifth edition of lumb and jones . 4- Small animal anesthesia techniques , Amanda M. Shelby . 5- Surgical principles ,BSAVA manual of canine and feline . Stephen baines . 6-Anesthesia for veterinary technicians , susan Bryant.
A- Recommended books and references (scientific journals, reports...).	non
B-Electronic references, Internet sites...	Wikipedia
12. The development of the curriculum plan	
<ol style="list-style-type: none"> 1. Searching for modern methods and means of teaching and learning away from the old traditional recitation method. 2. Relying on modern educational means to transfer information. 3. The use of modern devices, machines and technologies, especially electronic ones, to deliver information so that the student uses all his auditory, visual and sensory senses in comprehending and storing the information in his mind. 4. Using modern surgical techniques and tools and keeping pace with the development in veterinary surgery sciences by following them up in electronic scientific sources, both read and visual. 	